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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,999	02/16/2001	Jay E. Uglow	LAMP1P106A	2171
25920	7590 10/22/2002			
MARTINE	& PENILLA, LLP	EXAMINER		
710 LAKEW SUITE 170	AY DRIVE		PHAM, THA	ANHHA S
SUNNYVALE, CA 94085			ART UNIT	PAPER NUMBER
			2813	13
			DATE MAILED: 10/22/2002	13

Please find below and/or attached an Office communication concerning this application or proceeding.

			<i>w</i>
	Application No.	Applicant(s)	
Advisory Action	09/785,999	UGLOW ET AL.	
,, ,	Examiner	Art Unit	
	Thanhha Pham	2813	
The MAILING DATE of this communication appe	ars on the cover sheet with the o	orrespondence ado	lress
THE REPLY FILED 23 September 2002 FAILS TO PLACE Therefore, further action by the applicant is required to average final rejection under 37 CFR 1.113 may only be either: (1) condition for allowance; (2) a timely filed Notice of Appear Examination (RCE) in compliance with 37 CFR 1.114.	oid abandonment of this application at the control of the control	ation. A proper repl h places the applica	y to a ation in
PERIOD FOR RE	PLY [check either a) or b)]		
a) \boxtimes The period for reply expires $\underline{3}$ months from the mailing date			
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire I ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f).	ater than SIX MONTHS from the mailin FILED WITHIN TWO MONTHS OF TH	g date of the final rejecti HE FINAL REJECTION.	ion. See MPEP
Extensions of time may be obtained under 37 CFR 1.136(a). The fee have been filed is the date for purposes of determining the period of fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of (2) as set forth in (b) above, if checked. Any reply received by the Offic timely filed, may reduce any earned patent term adjustment. See 37 C	of extension and the corresponding amon the shortened statutory period for reply the later than three months after the mai	ount of the fee. The app originally set in the final	ropriate extension Office action; or
1. A Notice of Appeal was filed on Appellant's 37 CFR 1.192(a), or any extension thereof (37 CFR	Brief must be filed within the per R 1.191(d)), to avoid dismissal o	eriod set forth in f the appeal.	
2. The proposed amendment(s) will not be entered be	ecause:		
(a) they raise new issues that would require further	er consideration and/or search (see NOTE below);	
(b) they raise the issue of new matter (see Note b			
(c) they are not deemed to place the application in issues for appeal; and/or	n better form for appeal by mate	rially reducing or si	mplifying the
(d) they present additional claims without canceliNOTE:	ng a corresponding number of f	inally rejected claim	IS.
3. Applicant's reply has overcome the following rejecti	on(s): <u>See Continuation Sheet</u> .		
4. Newly proposed or amended claim(s) would canceling the non-allowable claim(s).	be allowable if submitted in a se	eparate, timely filed	amendment
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for application in condition for allowance because: See		dered but does NO	T place the
6. The affidavit or exhibit will NOT be considered becaraised by the Examiner in the final rejection.	ause it is not directed SOLELY t	o issues which wer	e newly
7. For purposes of Appeal, the proposed amendment explanation of how the new or amended claims we	(s) a) will not be entered or bould be rejected is provided belo)⊠ will be entered a ow or appended.	and an
The status of the claim(s) is (or will be) as follows:			
Claim(s) allowed:			
Claim(s) objected to:			
Claim(s) rejected: 1-16 and 26.			
Claim(s) withdrawn from consideration:			
8. \square The proposed drawing correction filed on is	a) approved or b) disapp	roved by the Exam	iner.
9. Note the attached Information Disclosure Statemen	nt(s)(PTO-1449) Paper No(s).	1	
10. Other:	U.	CARL WHITEHEAD, UR.	and the second
	SUPE TE	RVISORY PATENT EXAM CHNOLOGY CENTER 2	300





Continuation of 3. Applicant's reply has overcome the following rejection(s): Rejection under 35 U.S.C 112, Rejection under 35 U.S.C. 102(e) as anticipated by Jain [US 5,821,168].

Continuation of 5. does NOT place the application in condition for allowance because:

Contradict to Applicant's agrument on page 10, Smith discloses a trench layer of a low dielectric constant layer (430, fluorinated parylene, col 3 lines 56-62) over a via layer of inorganic dielectric silicon dioxide (424, silicon dioxide by TEOS, col 3 lines 25-27)

Contradict to Applicant's agrument on page 11, Wang et al ('735) discloses the claimed method of claims 1-4, 10-16. Wang et al teaches forming an inorganic dielectric layer (SiOF -- silicon dioxide being doped with fluorine, layer 14, fig 2) to define a via dielectric layer over the barrier layer , the inorganic dielectric layer being highly selective relative to the barrier layer when being etch (see fig 8 wherein the inorganic dielectric layer 14 to define a via dielectric layer is selective etched with respect to the barrier layer 12) and forming a low dielectric layer (organic low k dielectric BCB, layer 18) to define a trench dielelectric layer over the inorganic dielectric layer. Therefore, Wang ('735) teaches each and every feature of Applicant's claimed invention.

Contradict to Applicant 's argument on page 11, Wang et al ('577) teaches the low dielectric constant trench layer (30, e.g. BCB, fig 7, col 5 lines 63-67 and col 6 lines 1-2) over an inorganic dielectric via layer (24, silicon dioxide, fig 3, col 5 lines 32-35) wherein the inorganic dielectric layer beng highly selective to the barrier when being etched Therefore, Wang ('577) teaches each and every feature of Applicants's claimed invention.